STAT

Project Files

STAT

November 22, 1967

Contracting Officer
Post Office Box 6788
Fort Davis Station
Washington, D. C. 20020

STAT Attention

Dear Sir:

This company is pleased to submit its technical and cost proposals for designing and manufacturing one common stage mechanism to be used as an attachment to a Bausch and Lomb High-Power Stereoviewer.

STAT is well qualified to design and build this type of device. Our design department is staffed with Mechanical Engineers and Designers who have had many years of mechanism and mechanical motion design experience. Our shop is staffed with many first class mechanics and modelmakers who are accustomed to working to close tolerances and doing precision work. The company presently manufactures as a standard product a line of stereo viewing equipment. It has also manufactured custom optical, photographic and related equipment for various customers.

The delivery date of the device proposed would be 12 to 14 weeks ARO.

We appreciate the opportunity to submit this proposal and hope to be favored with an order.

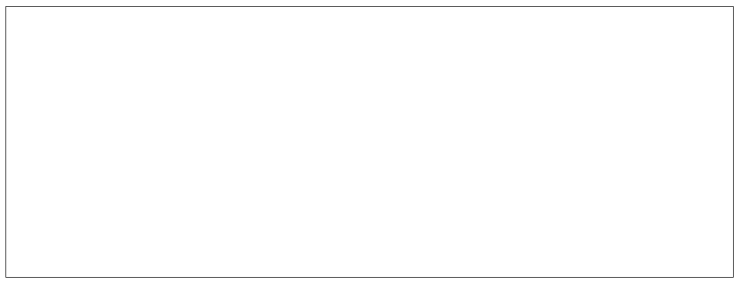
Very truly yours,

STAT

ERM/d

Vice President

TECHNICAL PROPOSAL
FOR
COMMON STAGE FOR B&L HIGH POWER STEREOVIEWER



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PROPOSAL NO. 3151

November 22, 1967

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Introduction

The development objectives for a Common Stage for B & L High Power Stereoviewer outlines requirements which can not be adequately satisfied by any existing mechanisms.

STAT [redacted] feels that a mechanism can be successfully designed and manufactured that will adequately satisfy all the specified requirements. One possible design approach is shown in our drawing SKD 1522.

Description

The proposed fixture SKD 1522 would be designed as an accessory to be used with existing B & L High Power Stereoviewers and be capable of being attached with a minimum of modification to the stereoviewer.

The fixture will consist of two film holders that will be positioned under the individual viewers. The film holders will be connected by a common bar that will assure simultaneous movement of both film holders in the X or Y planes when this movement is desired. This movement will be achieved by a screw type arrangement that assures positive positioning and eliminates lost motion. The mechanism shall have three inches of movement along the X axis and two inches of movement along the Y axis.

At the center of the common bar joining the film holder a mechanism will be provided to permit 1/2 inch of independent Z

axis motion to each stage.

Each film holder will be provided with a mechanism to allow 1/2 inch of independent travel in the X and Y planes.

Precision threads, bushings, shafts and bearings will be used in all motion mechanisms to ensure smooth operations and minimum of backlash and lost motion.

Approach

Upon the award of a contract a design engineer will be assigned the responsibility of execution of the project. The design engineer will make a thorough study of the problem and be assured that the particular design approach chosen is the most feasible. After completion of a design layout the design will be reviewed with the Government technical representative if it is so desired.

Upon approval of the design detail drawings will be made and then the fixture will be manufactured and assembled to the B & L High Power Stereoviewer made available as Government furnished equipment.

All manufactured parts will be of high quality and be compatible with the optical type equipment provided.

All documentation and reports as listed in Specification No. DB-1001 dated 31 August 1966 will be provided.

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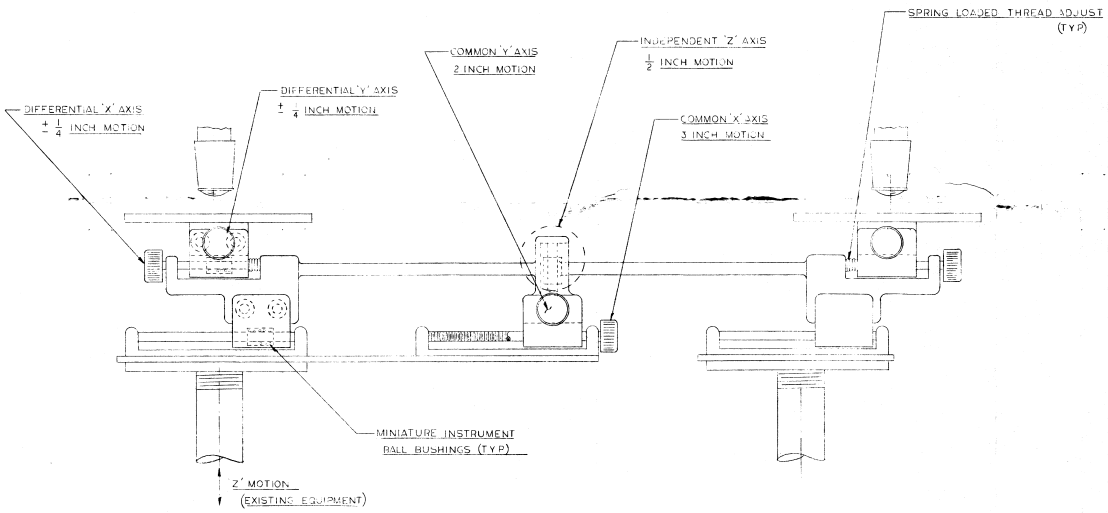
Firm pricing for production quantities of 10, 25, 50, and 100 fixtures will be provided after evaluation and acceptance of the prototype. Any pricing on these quantities at this time would be pure conjecture.



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